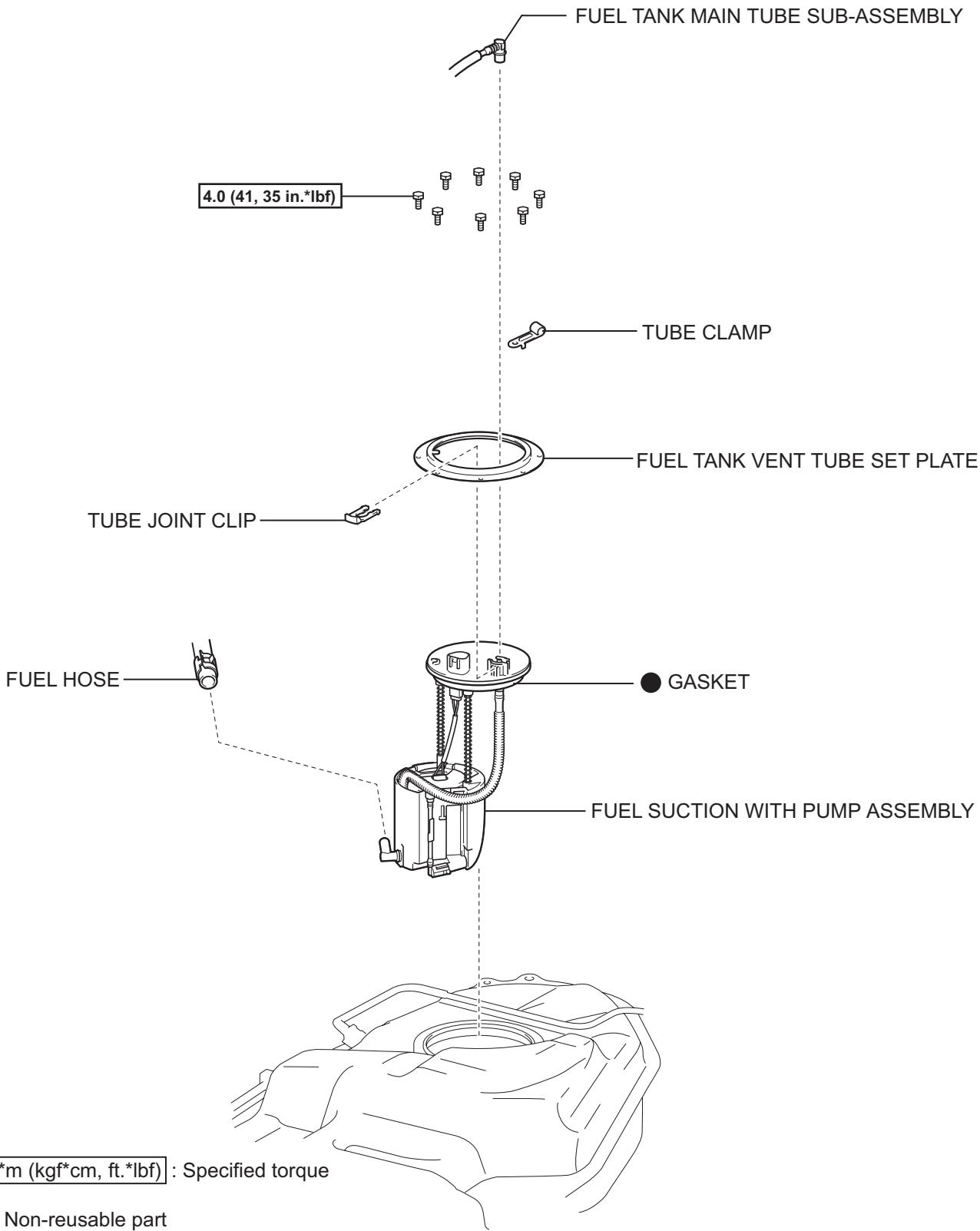
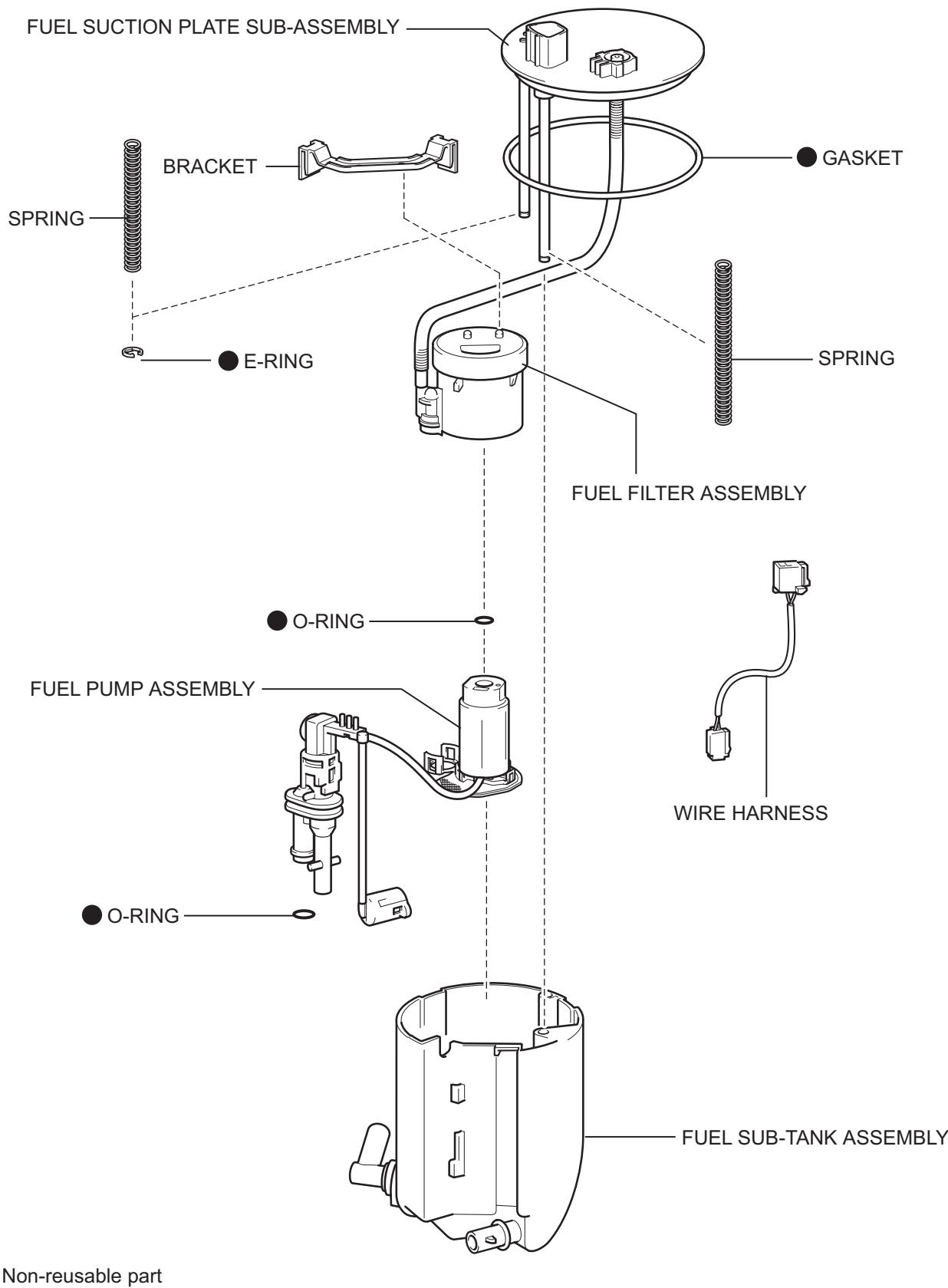


FUEL PUMP

COMPONENTS

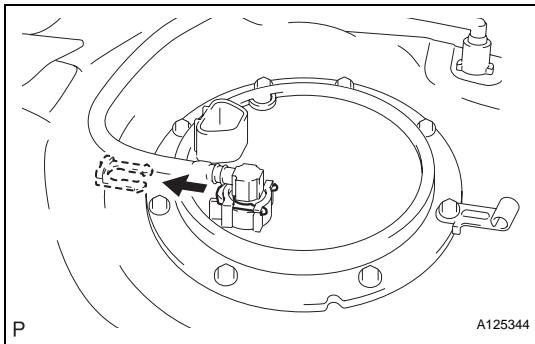




REMOVAL

1. REMOVE FUEL TANK ASSEMBLY

(a) Remove the fuel tank (see page [FU-39](#)).



2. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY

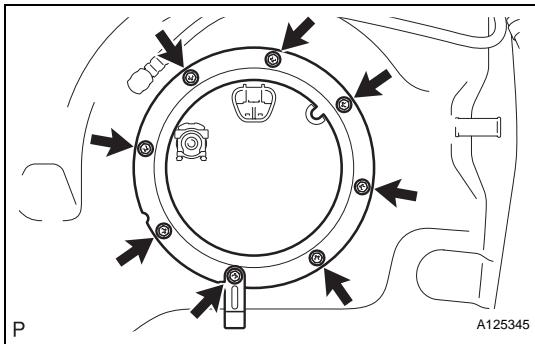
(a) Remove the joint clip and fuel tank main tube.

CAUTION:

- Before removing the tube joint clip, check for foreign matter around the clip. Clean if necessary.
- Keep the O-ring free of foreign matter, as it becomes contaminated easily.
- Do not use any tools in this procedure.
- Do not forcefully bend or twist the tube.
- Put the tube in a plastic bag to prevent damage and contamination.
- If the fuel suction plate and tube are stuck together, pinch the tube and turn it carefully to disconnect it.
- Be careful not to damage the clip. If the clip is damaged, replace it.

3. REMOVE FUEL TANK VENT TUBE SET PLATE

(a) Remove the 8 bolts and set plate.

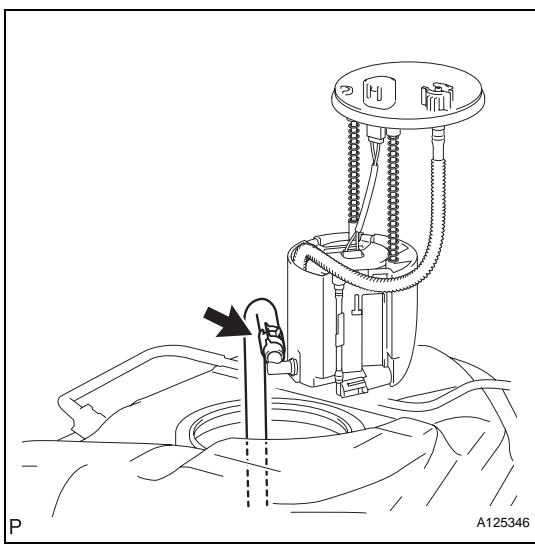


4. REMOVE FUEL SUCTION WITH PUMP ASSEMBLY

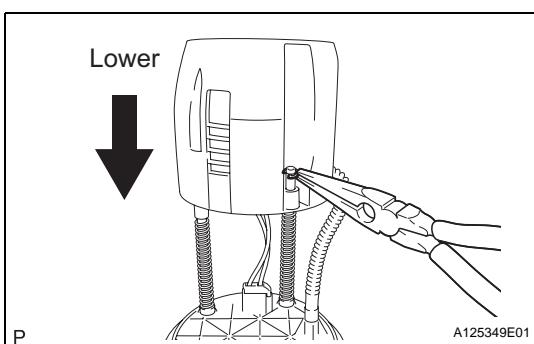
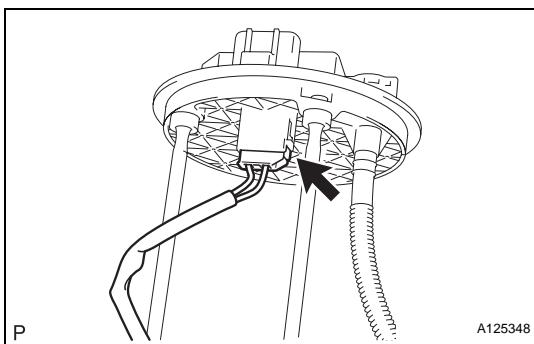
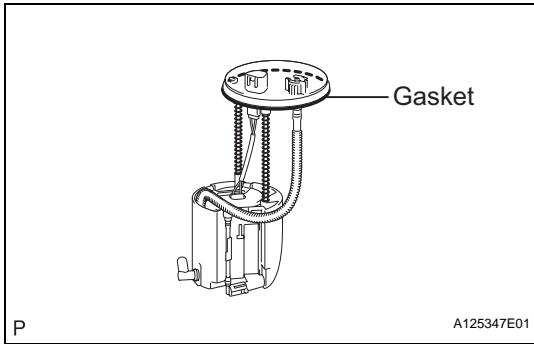
(a) Disconnect the fuel hose and remove the fuel pump from the fuel tank.

NOTICE:

Do not damage the fuel pump.



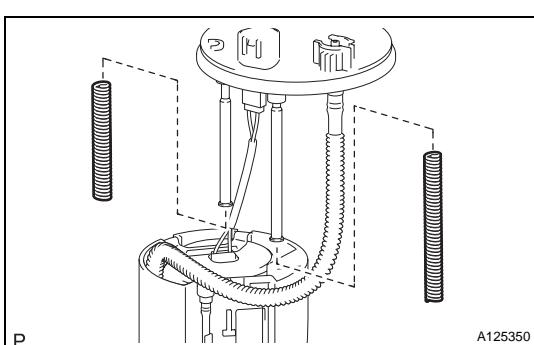
(b) Remove the gasket from the fuel pump.



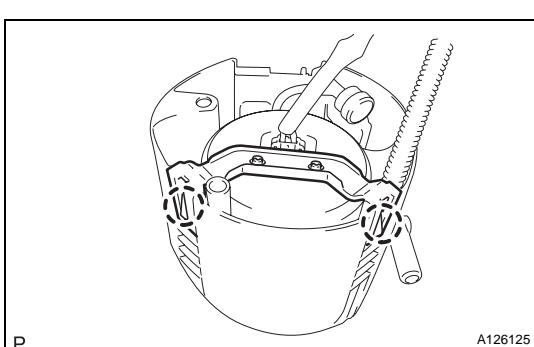
(b) Using needle nose pliers, remove the E-ring.

HINT:

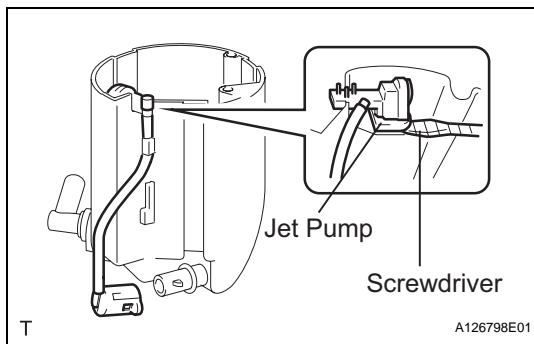
Slightly lower the sub-tank to remove the E-ring.



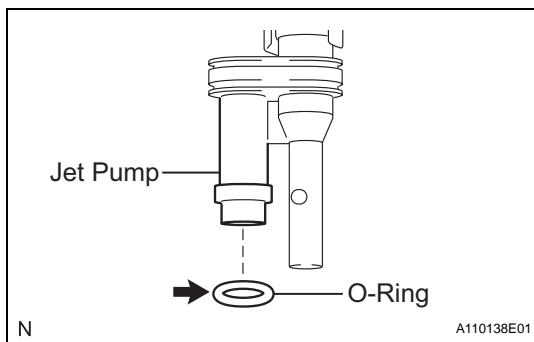
(c) Remove the 2 springs from the 2 shaft.



(d) Detach the 2 claws and remove the sub-tank.

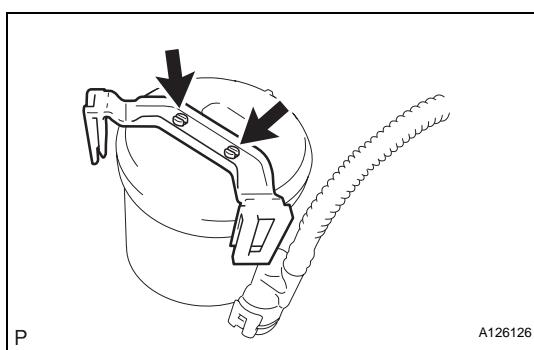


- (e) Disengage the claw of the jet pump nozzle.
- (f) Using a screwdriver with the tip taped, remove the jet pump.



- (g) Remove the O-ring from the jet pump.

FU

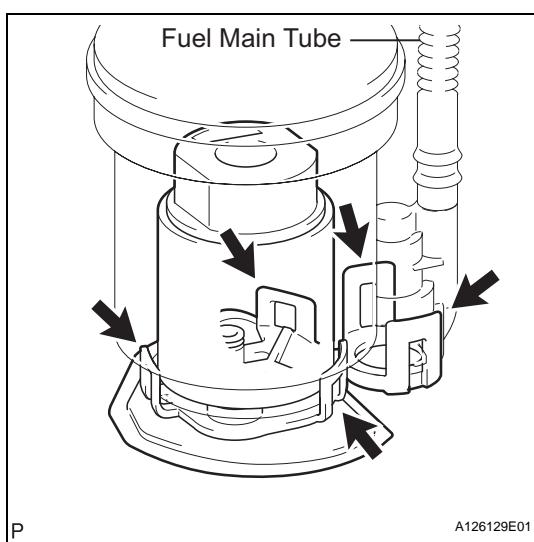


6. REMOVE BRACKET

- (a) Using a screwdriver, detach the 2 claws and remove the bracket.

HINT:

Tape the screwdriver tip before use.



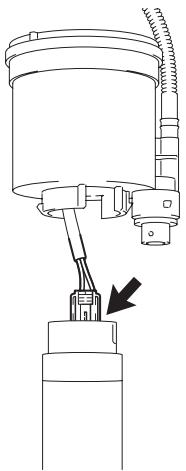
7. REMOVE FUEL PUMP ASSEMBLY

- (a) Detach the 5 claws on the filter and remove the fuel pump from the fuel filter.

HINT:

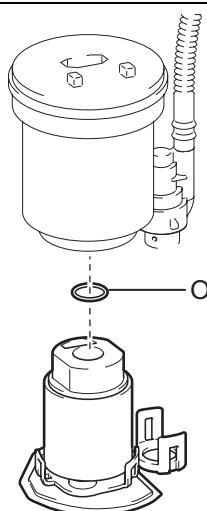
When removing the claw, do not disconnect the fuel main tube.

(b) Disconnect the fuel pump connector.



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(c) Remove the O-ring from the fuel filter.



O-Ring

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INSPECTION

1. INSPECT FUEL PUMP

(a) Check the fuel pump resistance.

(1) Measure the resistance between terminals 1 and 2.

Standard resistance:

0.2 to 3.0 Ω at 20°C (68°F)

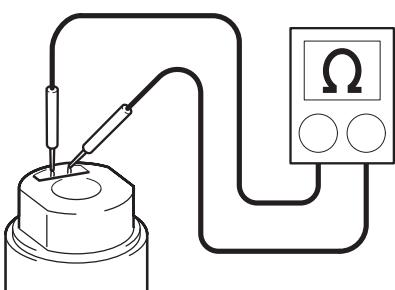
If the result is not as specified, replace the fuel pump.

(b) Check fuel pump operation.

(1) Apply battery voltage to terminals 1 and 2. Check that the pump operates.

NOTICE:

- These tests must be completed within 10 seconds to prevent the coil from burning out.
- Keep the fuel pump as far away from the battery as possible.
- Always the voltage on and off on the battery side, not the fuel pump side.



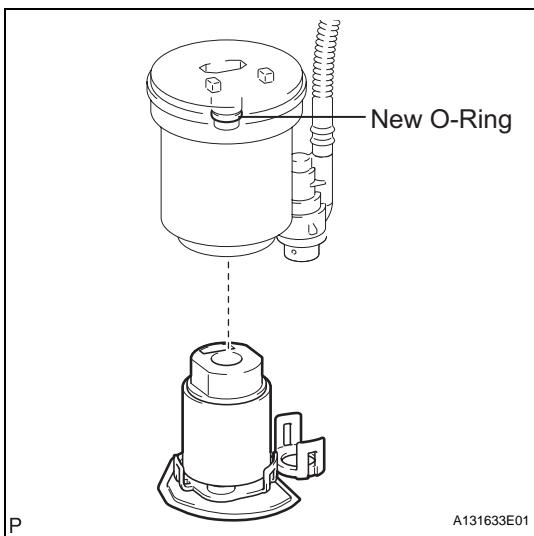
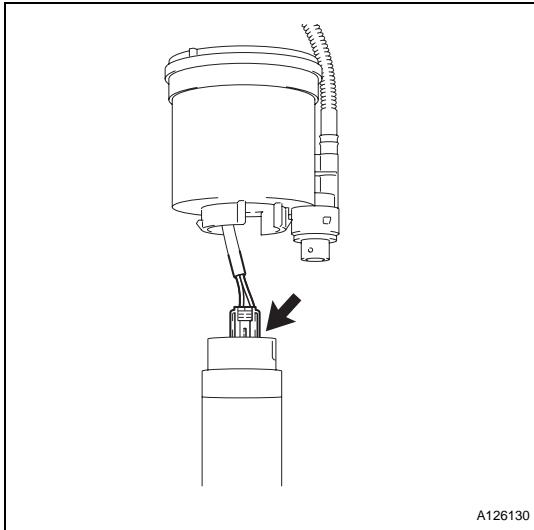
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If the pump does not operate, replace the fuel pump.

INSTALLATION

1. INSTALL FUEL PUMP ASSEMBLY

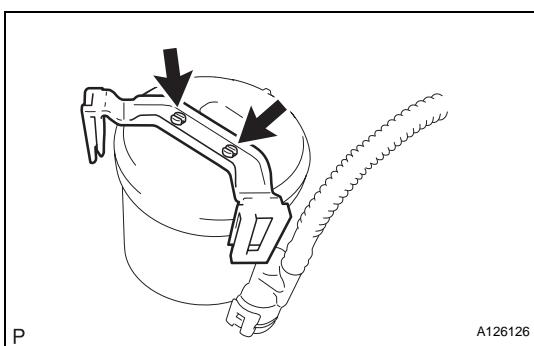
- Connect the pump harness connector.



- Apply gasoline to a new O-ring and install the O-ring to the fuel filter.
- Attach the 5 claws to the claw holes and install the fuel pump.

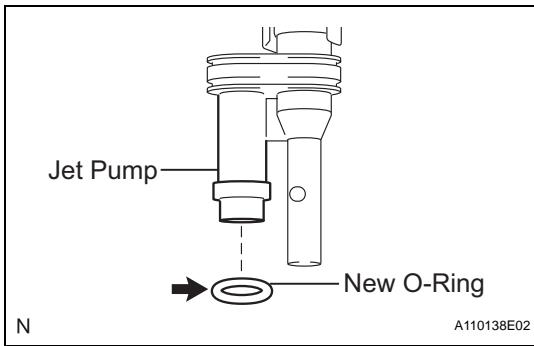
2. INSTALL BRACKET

- Attach the 2 claws to the claw holes and install the bracket.

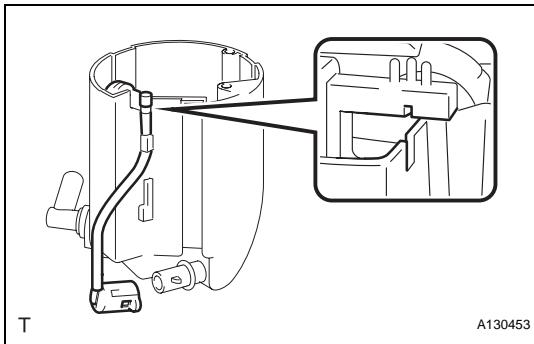


3. INSTALL FUEL SUB-TANK ASSEMBLY

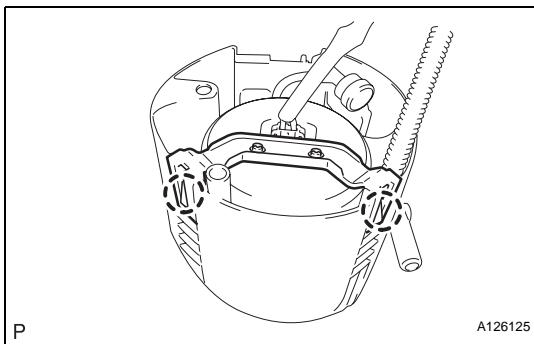
(a) Apply gasoline to a new O-ring and install it to the jet pump.



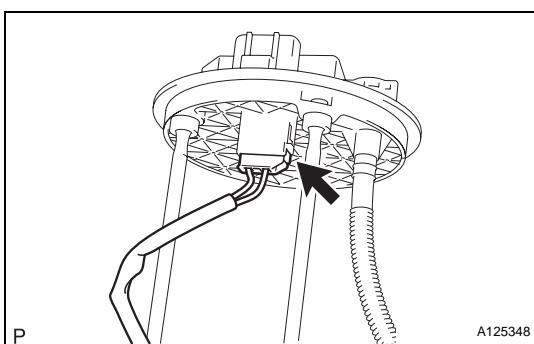
(b) Install the jet pump while aligning it to the installation position of the sub-tank.
 (c) Install the jet pump nozzle.



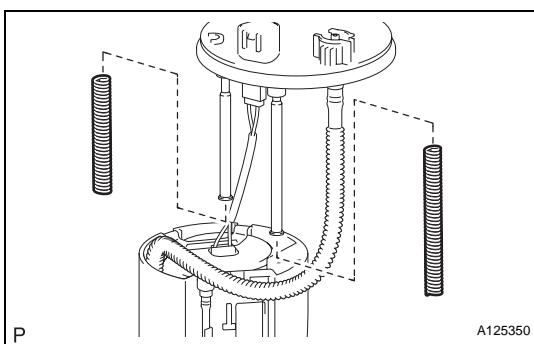
(d) Attach the 2 claws to the claw holes and install the fuel sub-tank.

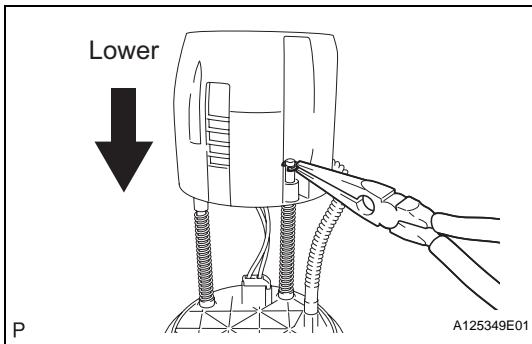


(e) Connect the wire harness.

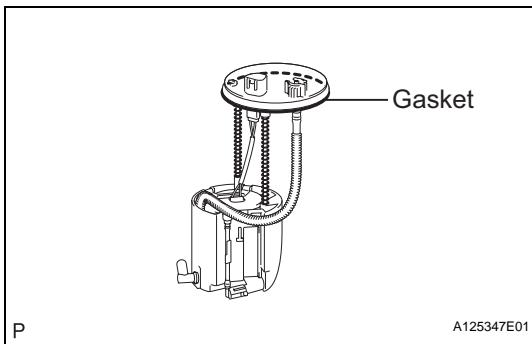


(f) Install the spring to the fuel suction plate shaft and install them to the sub-tank.



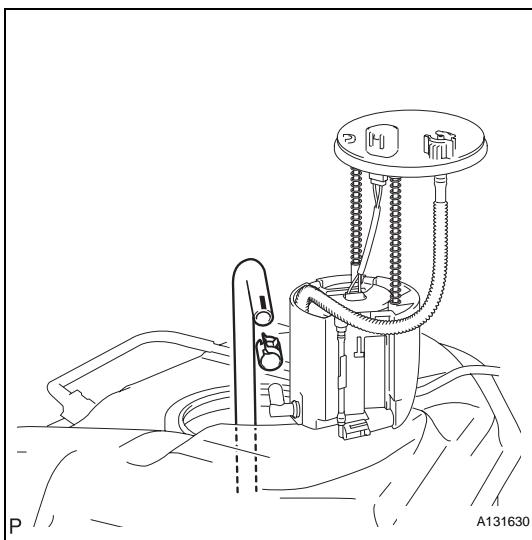


(g) Using needle-nose pliers, install a new E-ring.
HINT:
 Slightly lower the sub-tank to install the E-ring.



4. INSTALL FUEL SUCTION WITH PUMP ASSEMBLY

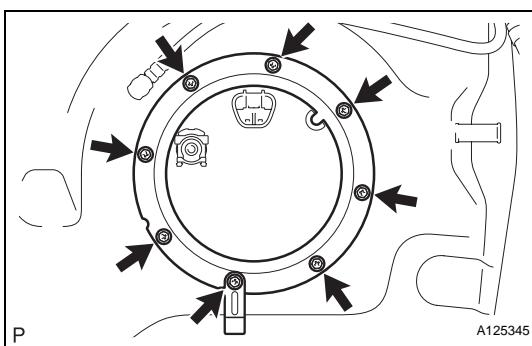
(a) Install a new gasket onto the fuel pump.



(b) Connect the fuel hose and install the fuel pump into the fuel tank.

NOTICE:

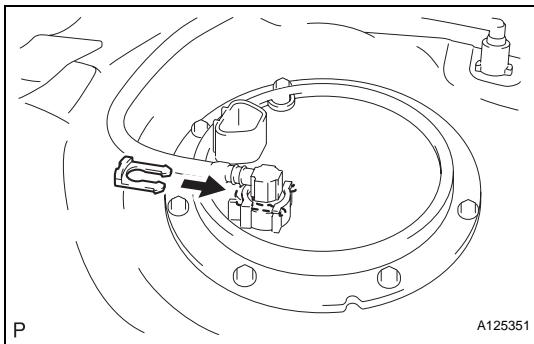
Do not damage the fuel pump filter.



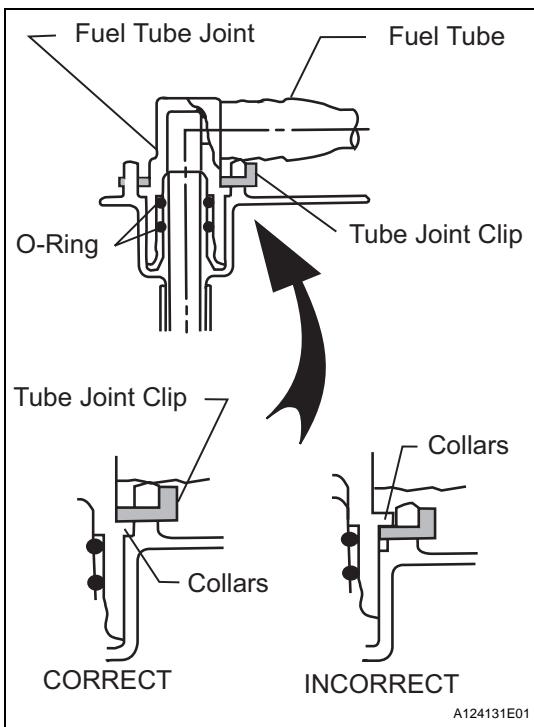
5. INSTALL FUEL TANK VENT TUBE SET PLATE

(a) Install the set plate with the 8 bolts.

Torque: 4.0 N*m (41 kgf*cm, 35 in.*lbf)

**6. INSTALL FUEL TANK MAIN TUBE SUB-ASSEMBLY**

(a) Install the fuel tube with the joint clips.

**CAUTION:**

- Check that there are no scratches or foreign objects on the connecting parts.
- Check that the fuel tube joint is inserted securely.
- Check that the fuel tube joint clip is on the collars of the fuel tube joint.
- After installing the tube joint clip, check that the fuel tube joint has not been pulled off.
- Be careful not to damage the clip. If the clip is damaged, replace it.

7. INSTALL FUEL TANK ASSEMBLY

(a) Install the fuel tank (see page [FU-44](#)).

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